

IN THE CLAIMS:

1. (Currently Amended) A video overlay device of a mobile telecommunication terminal comprising:

a multiplexer for outputting at least one of a first video data and a second video data;

and

a video overlay unit for overlaying at least one of the first and second video data with graphic data in accordance with a predetermined blend ratio of the at least one of the first and second video data to the graphic data.

2. (Original) The device of claim 1, wherein the multiplexer selectively outputs at least one of the first and second video data based on input video selection signals provided by a central processing unit (CPU).

3. (Currently Amended) ~~The device of claim 2,~~ A video overlay device of a mobile telecommunication terminal comprising:

a multiplexer for outputting at least one of a first video data and a second video data;

and

a video overlay unit for overlaying at least one of the first and second video data with graphic data in accordance with a predetermined ratio,

wherein the multiplexer selectively outputs at least one of the first and second video data based on input video selection signals provided by a central processing unit (CPU), and

wherein the video overlay unit comprises:

a color space convert (CSC) unit for converting at least one of the first and second video data into color signals;

a color look-up data structure comprising information for converting graphic data representing device information into color signals;

a color palette unit for blending video data converted in the CSC unit with graphic data converted based on the information in the color look-up data structure; and

a video selection unit for selectively outputting at least one of the first and second video data converted in the CSC unit, blended video and graphic data, and the graphic data converted based on the color look-up data structure.

4. (Original) The device of claim 3, wherein the color palette unit blends at least one of the first and second video data with the graphic data according to the predetermined ratio.

5. (Original) The device of claim 4, wherein the predetermined ratio is determined based on the video blend signals, provided by the CPU.

6. (Original) The device of claim 4, wherein the video selection unit selectively outputs at least one of the first video data, the second video data, and the blended video and graphic data.

7. (Original) The device of claim 1, wherein the first video data is provided by a camera module mounted to the mobile telecommunication terminal.

8. (Original) The device of claim 1, wherein the second video data comprises MPEG-4 streaming video data downloaded from a video server.

9. (Original) The device of claim 8, wherein the MPEG-4 streaming video data is restored using an MPEG-4 codec.

10. (Currently Amended) A video overlay device of a mobile telecommunication terminal comprising:

- a central processing unit (CPU);
- a camera module for capturing videos;
- a video codec for compressing and restoring streaming video data provided by the camera module;

a multiplexer for selectively outputting the streaming video data provided by at least one of the camera module and the video codec; and

a video overlay unit for overlaying video data provided by the multiplexer with graphic data provided by the CPU, according to a predetermined blend ratio of the video data to the graphic data to produce overlaid data.

11. (Original) The device of claim 10, further comprising an LCD interface unit for providing the overlaid data to a display device.

12. (Original) The device of claim 11, further comprising an LCD for displaying the overlaid data provided by the LCD interface unit.

13. (Original) The device of claim 10, wherein the multiplexer selectively outputs the streaming video based on video selection signals provided by the CPU.

14. (Original) The device of claim 10, wherein the video overlay unit comprises:  
a color space converter (CSC) unit for converting the video data into color signals.

15. (Original) The device of claim 10, wherein the video overlay unit further comprises:

a color look-up data structure for converting graphic data associated with terminal related information into color signals.

16. (Currently Amended) ~~The device of claim 14,~~ A video overlay device of a mobile telecommunication terminal comprising:

a central processing unit (CPU);

a camera module for capturing videos;

a video codec for compressing and restoring streaming video data provided by the camera module;

a multiplexer for selectively outputting the streaming video data provided by at least one of the camera module and the video codec; and

a video overlay unit for overlaying video data provided by the multiplexer with graphic data provided by the CPU, according to a predetermined ratio to produce overlaid data,

wherein the video overlay unit comprises:

a color space converter (CSC) unit for converting the video data into color signal, and

a color palette unit for blending video data converted in the CSC unit with graphic data converted according to the predetermined ratio.

17. (Original) The device of claim 16, wherein the video overlay unit further comprises:

a video selection unit for selectively outputting at least one of the video data converted in the CSC unit, blended video and graphic data provided by the color palette unit, and the graphic data converted based on information included in a color look-up data structure in the video overlay unit.

18. (Original) The device of claim 16, wherein the color palette unit blends at least one of the first and second video data with the graphic data according to the predetermined ratio.

19. (Original) The device of claim 18, wherein the predetermined ratio is calculated based on the video blend signals provided by the CPU.

20. (Original) The device of claim 17, wherein the video selection unit selectively outputs at least one of video data provided by the camera module, video data restored through the codec, the graphic data, and blended video and graphic data based on selection signals provided by the CPU.

21. (Original) The device of The device of claim 10, wherein the camera module digitally captures videos by way of an image sensor.

22. (Original) The device of The device of claim 10, wherein the video codec is an M

PEG-4 video codec for compressing and restoring MPEG-4 streaming video data and video data provided by the camera module.

23. (Original) The device of The device of claim 10 further comprises a memory unit for temporarily storing the overlaid data.